SCOTT 2012 BIKE OWNERS MANUAL

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SCOTT SPORTS SA | 17 RTE DU CROCHET | 1762 GIVISIEZ | SWITZERLAND
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CONGRATULATIONS

Congratulations on your purchase of a new Scott bicycle! We are confident that the bicycle will exceed your expectations for value, performance, and ride quality. Each frame set and component has been custom specified and designed to enhance your riding experience. Whether you are a beginning cyclist, or a seasoned pro, Scott bicycles will provide endless hours of two-wheeled fun.

We strongly encourage you to take the time to read this manual and familiarise yourself with your new bicycle. If you have purchased a bike for your children, please take the time to make sure they understand the information contained in this Owner's Manual.

Important!
If you purchased this bicycle for a minor, it is essential that a responsible adult/ parent thoroughly reviews and reads the Owner's Manual to the minor.

Please make sure to get your Scott bike completely assembled from your authorized Scott dealer.

This is very important for optimum performance and safety and guarantees you a long lasting joy while riding your bike.

It is important to understand the basics of riding a bicycle, but it is equally important to exercise common sense when cycling. Cycling is a dynamic sport and requires reacting to varying situations. Like any sports, cycling involves risk of injury and damage.
By choosing to ride a bicycle, you assume the responsibility for that risk.

Important!
Please use the bike of your choice only for the purpose it was made for.
For instance a road racing bike can not be used to substitute a mountain bike in off road terrain or a Trekking bike can not be used for downhill racing or road racing.

If you have questions or problems regarding your new Scott bicycle, please contact your Authorised Dealer.

Ride Frequently!

BICYCLE SAFETY

1. Obey all traffic laws,
2. Make sure that the bike size is right for the rider, and that he can reach brake levers properly.
3. Make sure that the brakes and the bicycle work perfectly well (cf maintenance).
4. Always have a light at night and install reflectors properly.
5. Never ride two people on a bicycle designed for one (except specially designed and properly installed child carriers.).
6. Never hitch a ride on another vehicle.
7. Do not weave or race in traffic.
8. Watch out for parked cars (door can be opened at any time) and cars pulling into traffic.
9. Use proper signals when turning.
10. Mount loads securely. Never carry packages that interfere with brakes or vision.
11. Always wear a helmet.

SADDLE HEIGHT

Comfortable riding not only depends on the position of the saddle, but also on its height. You can accurately adjust the height of the saddle to the length of your legs when you proceed as follows:

1. Straddle the saddle. Place the ball of your foot on the pedal nearest to the ground. Make sure the cranks are vertical.
2. If the heel of your foot points down about 30 degrees, the height of the saddle is correct.

Caution!

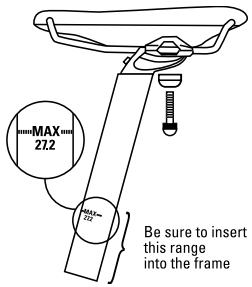
Make sure that the limit mark on your seat post is inside the seat tube. If it is not possible to reach the correct seat height, you have to choose a size above.

Make sure that this mark is inserted into the frame. If you need to change the inclination of the saddle or the horizontal position, please make sure not to exceed the max. tightening torque.

Screws with M5 should be tightened with 6 Nm, M8 with 20 Nm.

Please make sure the saddle is connected perfect with the seat post before every ride.

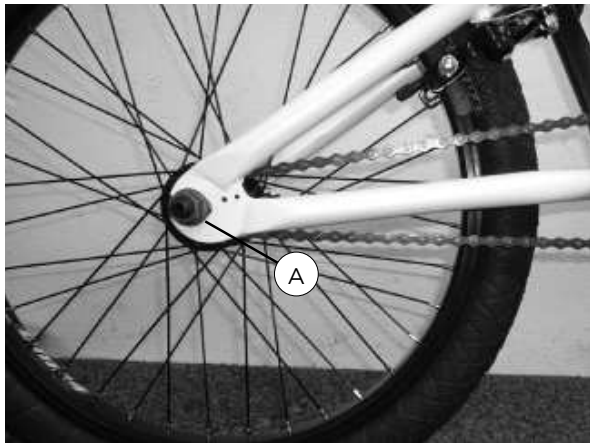
Please note that Scott is not responsible for damages caused by neglecting the tightening torques on the seatclamp fixing screws.



CHAIN TENSION

In case the chain needs to be tensioned again, please release on both sides nut A and pull the rear wheel straight backward until the tension is ok.

Please retighten nut A on both sides. Please note the tightening torque as mentioned in the table of tightening torques at the end of this file.



BRAKES

Brake adjustment general

Your Scott bike is fitted with a reliable and well-functioning braking system, provided the brakes are correctly adjusted. Check by measuring the distance between the brake shoes and the rim: it should be 1.5 to 2 mm.

Cable connection and adjustment of the (Dual Pivot) brake

1. Put the quick lever on the closed position.
2. Adjust the brake shoe clearance (as shown in the illustration) and secure the cable with the pinch bolt nut.

Cable bolt tightening torque 6-8 Nm

Caliper brake

Release counter nut A and turn adjustment screw B counter clockwise until the distance between brake pads and rims is approx. 2mm on each side.
Tighten counter nut A.

- In case adjustment screw B is released already to the limit, please release cable clamping screw C and turn adjustment screw clockwise to its original position.
- Close the caliper brake with your hand to the rim , adjust the brake cable and tighten clamping screw C. Please note the table of tightening torques at the end of this file.
- Finally make the fine tuning with adjustment screw B as mentioned above.
  The wheel needs to spin free without touching the brake pads. Fix counter nut A.

Important:

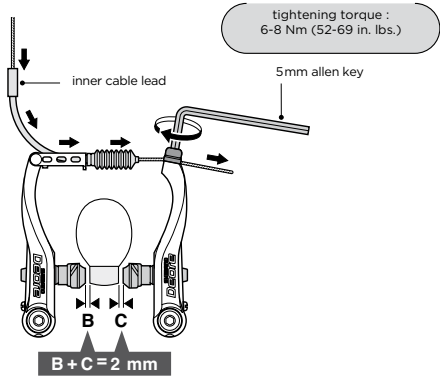
Make sure that the brake works perfectly.

Important:

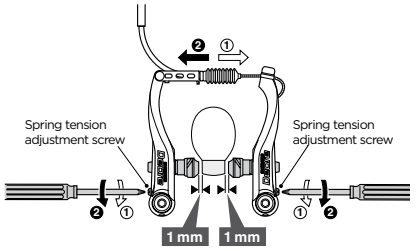
Under wet conditions the brake performance can decrease which will result in a prolongation of the braking distance.

V-Brakes

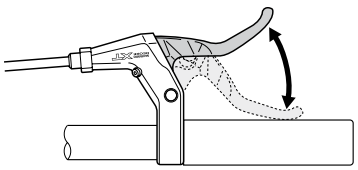
1. While holding the shoe against the rim, tighten the shoe fixing nut.
2. Pass the inner cable through the inner cable lead, and after setting so that the total of the clearances between the left and right shoes and the rim is 2 mm tighten the cable fixing bolt.



3. Adjust the distance with the spring tension adjustment screws.



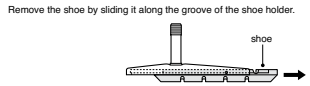
4. Depress lever about 10 times



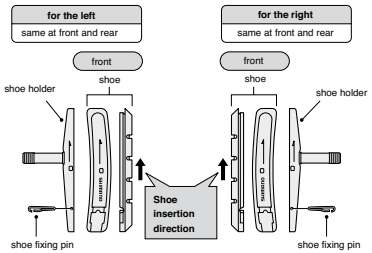
Replacement of the brake pads/cartridge shoe

Remove the security pin on the brake shoe.

1. Remove the brake pad by sliding it along the groove of the brake shoe bar.
2. Make sure to use the correct brake pad and brake shoe for each side. Those for the left side are different from those for the right side.
3. Slide the new pad into the shoe and make sure that the direction is correct and that the security pin holes concord.
4. The insertion of the security fixing pin is very important. It keeps the shoe properly in place



There are two different types of shoe and shoe holder to be used in the left and right positions respectively. Slide the new shoes into the grooves on the shoe holders while taking note of the correct directions and pin hole positions.



Insertion of shoe fixing pin is very critical to keep shoe properly fixed in place.

TIRES AND RIMS

Tires should always be inflated within the manufacture's recommendations.

They are rated from 40 to 80 lbs. (check your tires).

Higher pressure for smoother roads or heavy riders.

Lower pressure for more shock absorption on rougher terrains.

Please find following example:

INFLATE TO MIN. 3.5 (50PSI) - MAX. 6.0 BAR (85PSI)

Rim and wear of the rim

If the brake system has brake pads, you have to be aware of the fact that the rim will be worn through the action of braking.

When riding in wet and muddy terrain for example, the rim is quickly worm out.

Small cracks in the brake surface of the rim or a deformation of the brake surface on the rim when increasing the tire pressure point out the end of the lifetime of the rim and the rim should be replaced immediately at an authorized dealer.

Scott bikes that are fully equipped (lights, mudguard, carrier) have a wear-out-indicator.

Please follow the instructions of the rim manufacturer shown in a manual or on the rim itself.

Wheels

Bicycle wheels are designed to be removable for easier transportation and for repair of a tire puncture. In most cases, the wheel axles are inserted into slots, called “dropouts” in the fork and frame, but some suspension mountain bikes use what is called a “through axle” wheel mounting system.

If you have a mountain bike equipped with through axle front or rear wheels, make sure that your dealer has given you the manufacturer’s instructions, and follow those when installing or removing a through axle wheel. If you don’t know what a through axle is, ask your dealer.

– Hex nuts or hex key bolts which are threaded on to or into the hub axle (bolt-on wheel, fig. 10)

Your bicycle may be equipped with a different securing method for the front wheel than for the rear wheel. Discuss the wheel securing method for your bicycle with your dealer.

It is very important that you understand the type of wheel securing method on your bicycle, that you know how to secure the wheels correctly, and that you know how to apply the correct clamping force that safely secures the wheel. Ask your dealer to instruct you in correct wheel removal and installation, and ask him to give you any available manufacturer’s instructions.

Front Wheel Secondary Retention Devices

Most bicycles have front forks which utilize a secondary wheel retention device to keep the wheel from disengaging if the quick release is incorrectly adjusted. Secondary retention devices are not a substitute for correct quick release adjustment.Secondary retention devices fall into two basic categories:

1. The clip-on type is a part which the manufacturer adds to the front wheel hub or front fork.
2. The integral type is molded, cast or machined into the outer faces of the front fork dropouts.

Ask your dealer to explain the particular secondary retention device on your bike.

WARNING!

Do not remove or disable the secondary retention device. As its name implies, it serves as a back-up for a critical adjustment. If the quick release is not adjusted correctly, the secondary retention device can reduce the risk of the wheel disengaging from the fork. Removing or disabling the secondary retention device may also void the warranty.

Secondary retention devices are not a substitute for correct quick release adjustment. Failure to properly adjust the quick release mechanism can cause the wheel to wobble or disengage, which could cause you to loose control and fall, resulting in serious injury or death.

Fix a flat tire

Bike tires are fitted with tubes.

Remove the wheel from the bike and deflate it. Unhook the tire from one side of the rim, using tire tools, not screwdrivers.

Remove the tube from the tire casing, repair or replace it. Install the new or repaired tire. Fill the tube lightly with air in order to let it take its shape. Put the valve stem through the hole, and fit the inside tire. Put the tire bead in the rim starting at the valve and finishing at the opposite end, working on both sides. Push the valve stem into the tire and pull it back down to seat. Make sure the tube is not pinched under the tire bead. Inflate with hand or foot-pump.

Close the brake’s quick release system carefully.

Use of a bicycle hauler

Scott bikes are not intended for the use of haulers (load-haulers, kids-haulers, Trailer bikes).

Please note that Scott will not take any warranty or responsibility when using a hauler.

There are too many different haulers and hauler fixation systems on the market to give a detailed table of systems that might fit without technical problems or endangering the passengers.

Use of a baby seat

Scott bikes of Racing Concept, Racing, Endurance, Progressive, Road, Roadster and Kids Series are not intended for the use of baby seats.

Please note that Scott will not take any warranty or responsibility when using a baby seat on bikes mentioned above.

There are too many different baby seat and baby seat fixation systems on the market to give a detailed table of systems that might fit without technical problems or endangering the passengers.

Assignment of brake levers to front and rear brake

In general Scott bikes are delivered and preassembled with the right lever matching the rear brake and the left lever matching the front brake.

Due to national laws this could have been changed by your Scott dealer to fulfil the national laws.

Please ask your dealer to explain to you the assignment of the brakes and brake levers when handing over the bike.

Maximum weight and load of Scott bikes

Scott mountain bikes are intended for a maximum rider weight of 110 kgs, the overall weight of bike incl. rider should not exceed 119-128kgs (depending on bike weight).

Scott trekking bikes are intended for a maximum rider weight of 110 kgs, the overall weight of bike incl. rider and a maximum load of 25kgs should not exceed 143-150kgs (depending on bike weight).

Scott road bikes are intended for a maximum rider weight of 110 kgs, the overall weight of bike incl. rider should not exceed 117-120kgs (depending on bike weight).

Scott kids bikes are intended for a maximum load of 50 kgs including rider and load.

Please always note and respect the information of the component suppliers regarding the maximum rider weight

Use of Scott bikes in public traffic

Please note and respect the national laws concerning the use of equipped and non-equipped bikes in public traffic.

This concerns e.g. reflectors and light systems.

MAINTENANCE AND CARE

Maintenance schedule

Please be aware of the fact that you have to follow the list of maximum tightening torques for screws at the end of this chapter.

Please check before every ride:

- all bolts and nuts, especially the quick releases of the wheels for proper fit and in case they are loose tighten them according to the maximum tightening torque.
- stem and handlebar for visible damages and replace them if necessary. Please make sure that the bolts are tightened evenly when closing the front cap, according to the tightening torque recommended by the producer of the parts
- Braking systems
- Air pressure of the tires according to the recommendation of the producer.
- Light systems and bell
- Handlebar grips to be fixed to the handlebar
- All parts of the rear suspension system including mounting bolts
- The front suspension fork on perfect function and play in the bushings.

Please check additionally monthly

- front and rear derailleur for perfect function and grease them. If necessary readjust the system and clean it.
- the play of the headset. If necessary readjust it.
- Brake and shifting cables on perfect wear and leakage on hydraulic systems. If necessary grease the cables.

Please check if necessary or at least once a year at your local dealer

- chain wear and tension (on bikes equipped with internal gear hubs). Readjust if necessary, clean and grease the chain.
- Bottom bracket cartridge for play, if necessary replace it.
- Pedal bearings for play, if necessary replace them.
- front and rear derailleur for perfect function and grease them. If necessary readjust the system and clean it.
- stem and handlebar for visible damages and replace them if necessary. Please make sure that the bolts are tightened evenly when closing the front cap, according to the tightening torque recommended by the producer of the parts.
- Complete brake system on perfect function and readjust and grease it if necessary. Replace worn out or defective parts. Replace leaking hydraulic pipelines at once .

- Rims and tension of spokes. If necessary true them.
- Air pressure of the tires according to the recommendation of the producer.
- Overall condition of the tires
- Light systems and bell
- Handlebar grips to be fixed to the handlebar
- All parts of the rear suspension system including mounting bolts
- The front suspension fork on perfect function and play in the bushings.
- Frame and fork on perfect condition, replace in case of damages

Spare parts for your Scott bike

For buying spare parts we strongly recommend to visit your local Scott dealer as he knows best which parts will fit to your bike and can help you to make your choice of parts matching to your bike.

By doing so, you can avoid a combination of parts that might not match to each other.

Please only use original spare parts as only these can guarantee optimum function and safety while riding.

This is extremely important on parts of the brake system, the tire and air tube.

Please note that Scott is not responsible for damages caused by not using original spare parts.

Never use adapter solutions to fix or assemble brakes, seat/seatpost and stem/handle bar!

BICYCLE CARE

In order to keep the function and optic of the bike in good condition we recommend periodical bicycle care.

Doing so keeps the value of the bike and helps to prevent from corrosion or other damages:

- clean with soft brush, water and soft towel. Do not use high pressure cleaner, otherwise bearings, color or decals can be damaged.
- Do not use aggressive cleaning additives
- Repair color damages at once
- Grease or oil all metal parts especially during winter use

Please use biodegradable bicycle cleaners and degreasers which are offered at your local dealer.

TIGHTENING TORQUES FOR SCOTT BIKES

Rear Derailleur	Mounting bolt		7.8-9.8 Nm
	Cable fixing bolt		3.9-5.9 Nm
	Pulley screws		2.9-3.9 Nm
Front Derailleur	Clamp		4.9-6.8 Nm
	Cable fixing bolt		4.9-6.8 Nm
Rapidfire lever	Clamp mounting bolt		4.9-6.8 Nm
STI	Clamp mounting bolt		4.9-6.8 Nm
Brake lever	Clamp mounting bolt		4.9-6.8 Nm
Freewheel hub	Freewheel body		35-49 Nm
	Cassette fixing nut		30-49 Nm
Crankset	Square type		35-45 Nm
	Spline type		35-50 Nm
	Chainring screws		7.8-10.7 Nm
BB-Cartridge			50-70 Nm
Pedals			40 Nm
Stem	Mounting bolts	M5	5.6-7.8 Nm
		M6	9.8-13.7 Nm
Seatpost-seatclamp	M4		2.8-3.9 Nm
	M5		5.6-7.8 Nm
	M6		9.8-13.7 Nm
V-Brake	Frame mounting bolts		5-6.8 Nm
	Cable fixing bolt		5.8-7.8 Nm
	Brake pad bolts		5-6.8 Nm
Caliper Disc brake	Magura		6 Nm
	Shimano		6-8 Nm
	Formula		9 Nm
	Hayes		12 Nm
Disc mounting bolts	Magura		4 Nm
	Shimano		2-4 Nm
	Formula		6.2 Nm
	Hayes		5 Nm

TROUBLESHOOTING

Trouble	**Reason**	**Solution**
- Fork shakes	- headset loose	- tighten and lock
- Chain pops out	- derailleurs not adjusted	- adjust acc. to manual
	- chainwheel bent	- fix or change
- bearings squeak or crack	- bottom bracket	- replacement
	- pedals need grease	- dismount, clean, grease
	- hubs need grease	- dismount, clean, grease
- bearings are loose	- bottom bracket	- replacement
	- pedals	- tighten and lock
	- hubs	- tighten and lock
- handlebar cracks, shakes	- stem or handlebar bolts are loose or turns	- tighten all bolts and nuts
- seat post turns or slides	- quick release is loose	- retighten and lock
	- seat post diameter too thin	- check diameter
- front derailleur rattles	- bottom bracket loose	- tighten bottom bracket
	- not adjusted	- adjust
	- chainwheel bent	- fix or change
- suspension fork is loose		- contact your local dealer
- rear suspension is loose		- contact your local dealer

WARRANTY

SCOTT bikes are made using the most innovative production and quality methods. They are equipped with best components of well known parts suppliers.

Doing so SCOTT warrants its frames and swingarms for five years (subject to compliance with maintenance ranges, see below) and SCOTT forks (provided it is a fork of SCOTT) for two years for defects in material and/or workmanship in case of purchase of completely assembled bikes.

This warranty of 5 years for the frames shall only be granted in case once a year a maintenance service has been effected according to maintenance requirements as set forth in this manual by an authorised SCOTT dealer.

The authorised SCOTT dealer shall confirm the effected annual maintenance service by stamp and signature.

In case such an annual maintenance service has not been effected the warranty of 5 years for the frame shall be reduced to 3 years.

Costs for maintenance and service have to be born by the owner of the SCOTT bike.

On Gambler, Voltage Fr and Volt-X the warranty period is limited to 2 years.

The warranty period starts at the day of purchase. This warranty is limited to the first buyer, what means the first person who uses the bike and only with the use it was made for. Furthermore, this warranty is limited to purchases via authorized SCOTT-dealers

The warranty is solely granted in case of purchase of a completely assembled bike to the explicit exclusion of purchases of not completely assembled bikes.

In case of a warranty claim the decision to repair or to replace the defective part is up to SCOTT. Non defective parts will only be replaced at the guarantee's own expense.

Fair wear and tear is not covered by the warranty.
A complete list of all parts of wear and tear can be found in the next chapter of this manual.

In addition, you will find at the end of this manual a protocol for the handing over of the bike which will remain in copy at the SCOTT dealer after acceptance and signature of the consumer.

It is obligatory to show this protocol of handing over together with the defective part in case of a warranty claim given that it provides evidence of purchase. Otherwise no warranty is granted.

In principle, this warranty is granted worldwide. Claims must be made through an authorized dealer, for information regarding the nearest dealer, write or call this company or the national SCOTT distributor.

Normal wear, accident, neglect, abuse, improper assembly, improper maintenance by other than an authorized dealer or use of parts or devices not consistent with the use originally intended for the bicycle as sold are not covered by this warranty.

Hereby SCOTT grants a voluntarily manufacturer's warranty. Additional entitlements according to national warrant of merchantability are reserved.

WARRANTY

SCOTT Bike Warranty Periods

	Year 1	Year 2	Year 3	Year 4	Year 5
SCOTT Bikes					
Gambler, Voltage FR, Volt-X					

Regular Warranty Period

Option for prolongation according to maintenance intervals shown in manuals attached to bikes

PARTS OF WEAR AND TEAR

Parts of wear and tear are excluded from any warranty.

Chain

Due to its use the chain is subject to wear and tear. This depends on maintenance and conditions of use of the bike (amount of kilometers, rain, dirt, salt, etc.).
Cleaning and greasing will help to prolong its life but you will have to replace the chain when reaching the wear limit.

Sprockets, chainrings and pulleys

Due to its use sprockets, chainrings and pulleys are subject to wear and tear.
This depends on maintenance and conditions of use of the bike (amount of kilometers, rain, dirt, salt, etc.). Cleaning and greasing will help to prolong its life but you will have to replace the chain when reaching the wear limit.

Shifting-and brake cables

All cables must be surveyed regularly and changed if necessary. This can happen especially when the bike is often standing outside in weather.

Brakepads

All brake pads, no matter if rim-brake, disc-brake or internal brake are subject to wear and tear due to their use.
This depends on maintenance and conditions of use of the bike (amount of kilometers, rain, dirt, salt, etc.). Check your brake pads regularly and replace them if necessary.

Rims

When using a rim brake not only the brake pads are subject to wear and tear. Also the rim.
Because of this please check regularly the rims e.g. when inflating the tires.
In case of small cracks or deformation of the brake surface of the rim while inflating the tires replace the rim immediately.
Rims with wear-out indicators enable the bike user to check easily the condition of the rim. Please have a look concerning this issue on the sticker on the rim.

Tires

Due to their use tires are subject to wear and tear. This depends on the use of the bike and is influenced by the riding style.
Aggressive braking will reduce the lifetime of the tire dramatically.
In addition check the air pressure regularly and inflate the tire according to the pressure recommended by the producer of the tire which is imprinted on the sidewall of the tire.

Light Systems and reflectors

A well functioning light system is of a very high importance for your riding safety in public traffic. Before every ride check front and tail light and the condition of the reflectors. Light bulbs are subject of wear and tear and we recommend to take some replacements with you in case of failure.

Handlebar grips

Due to their use handlebar grips are subject to wear and tear, and should be replaced immediately in case they do not fit anymore to the handlebar or get loosen.

Handlebar, stem and seat post

Handlebar, stem and seat post are under high dynamic forces while riding.
Please check these parts regularly for visible cracks or damages and replace them if necessary.
In addition we recommend a periodical replacement (every two years) of these parts when riding often and hard.

SCOTT SERVICE PLAN

Model .....

Year .....

Size .....

Frame .....

Date of purchase .....

Annual service to be done

- Check of shock mounts incl. lubricating the bushings
- Check of swingarm pivot incl. axle and mounts
- Check of rear shock according to the enclosed shock manual
- Check of hubs, bottom bracket and headset
- Check of all screws of the bike
- Check of handle bar, stem, saddle rails and seat post
- Check if brakepads and rims are worn out
- Check of disc brake according to enclosed service manual
- Check of suspension fork according to enclosed service manual
- Check of shifters and derailleurs incl. cables.

Date of Service:	Dealers Signature:

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